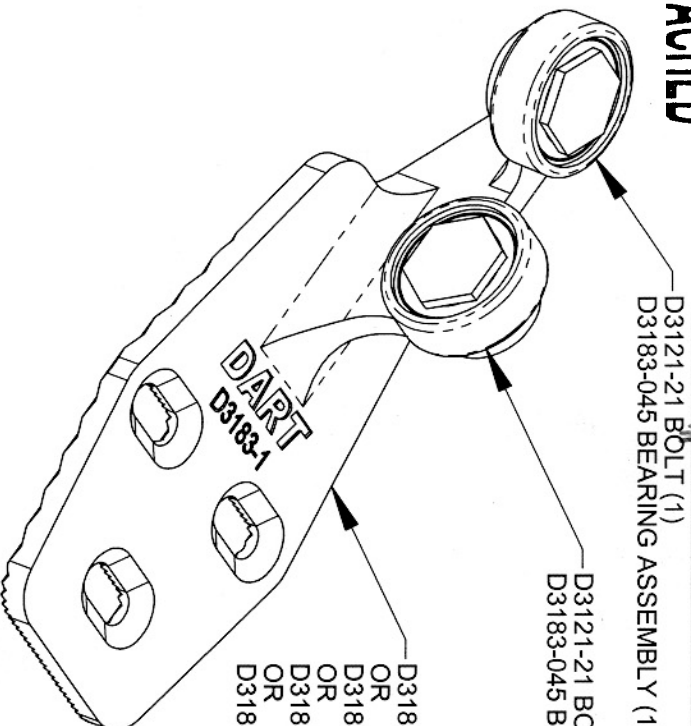


**DART**

DESIGN	DRAWN BY	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. C
		D3183	SHEET 1 OF 4
DATE		TITLE	SCALE
04.02.17		BRACKET ASSEMBLY	1:1

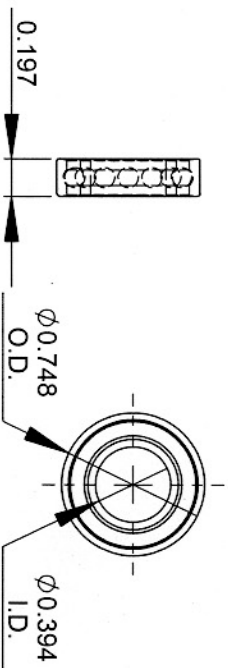
**RELEASED**  
04.03.01**DEO ATTACHED**

A.	03.01.24	NEW ISSUE
B	03.06.17	REMOVE BEARING: 1.012 WS 0.882
C	04.02.17	ADD -045/-9; 0.182 WAS 0.431
C1	<del>04.11.09</del> 04.11.09	0.830 WAS 0.850

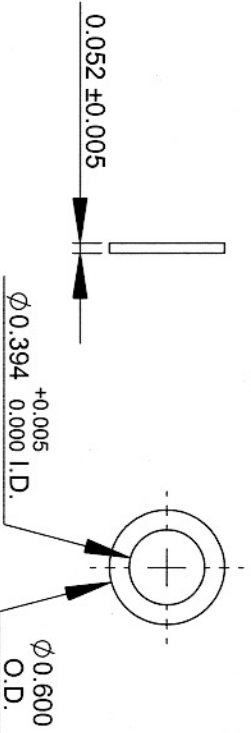


D3183-1 BRACKET FOR -041 (SHOWN)  
OR  
D3183-2 BRACKET FOR -042 (OPPOSITE)  
OR  
D3183-3 BRACKET FOR -043 (SIMILAR)  
OR  
D3183-4 BRACKET FOR -044 (SIMILAR)

**D3183-041 BRACKET ASSEMBLY (SHOWN)**  
**D3183-042 BRACKET ASSEMBLY (OPPOSITE)**  
**D3183-043 BRACKET ASSEMBLY (SIMILAR)**  
**D3183-044 BRACKET ASSEMBLY (SIMILAR)**



**D3183-5 BEARING:**  
**SPECIFICATION CONTROL DRAWING**  
1) SINGLE ROW, DEEP GROOVE,  
CONRAD TYPE, SHIELDED  
2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ  
3) ALL DIMENSIONS ARE IN INCHES



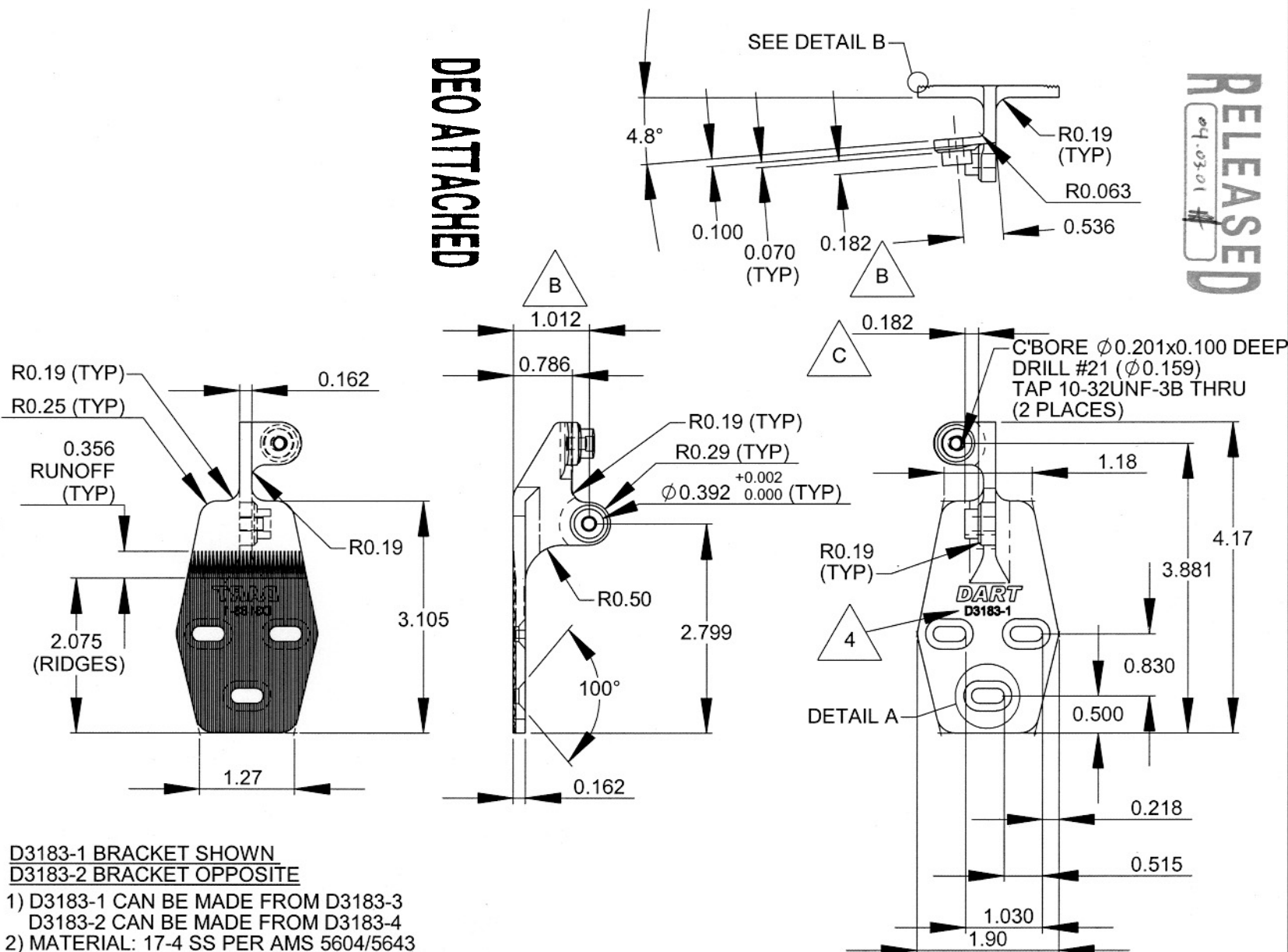
**D3183-7 WASHER**  
1) MATERIAL: AISI 303 ROUND BAR (M303R)  
ANNEALED  
2) BREAK ALL SHARP EDGES 0.005 TO 0.010  
3) TOLERANCES ARE PER DART QSI 018  
UNLESS OTHERWISE NOTED  
4) ALL DIMENSIONS ARE IN INCHES

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**DART**

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CHECKED	APPROVED	DRAWING NO.	REV. C
DATE		D3183	SHEET 2 OF 4
04.02.17	TITLE	BRACKET ASSEMBLY	SCALE 1:2

**RELEASED**  
04.03.01**DEO ATTACHED**

**D3183-1 BRACKET SHOWN**  
**D3183-2 BRACKET OPPOSITE**

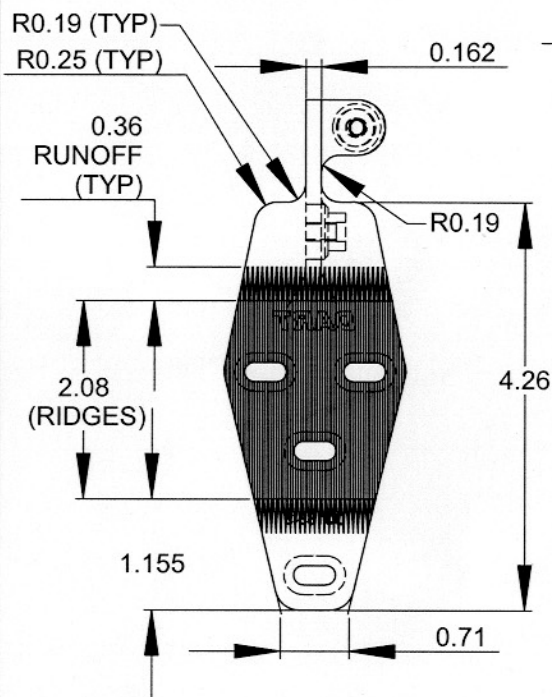
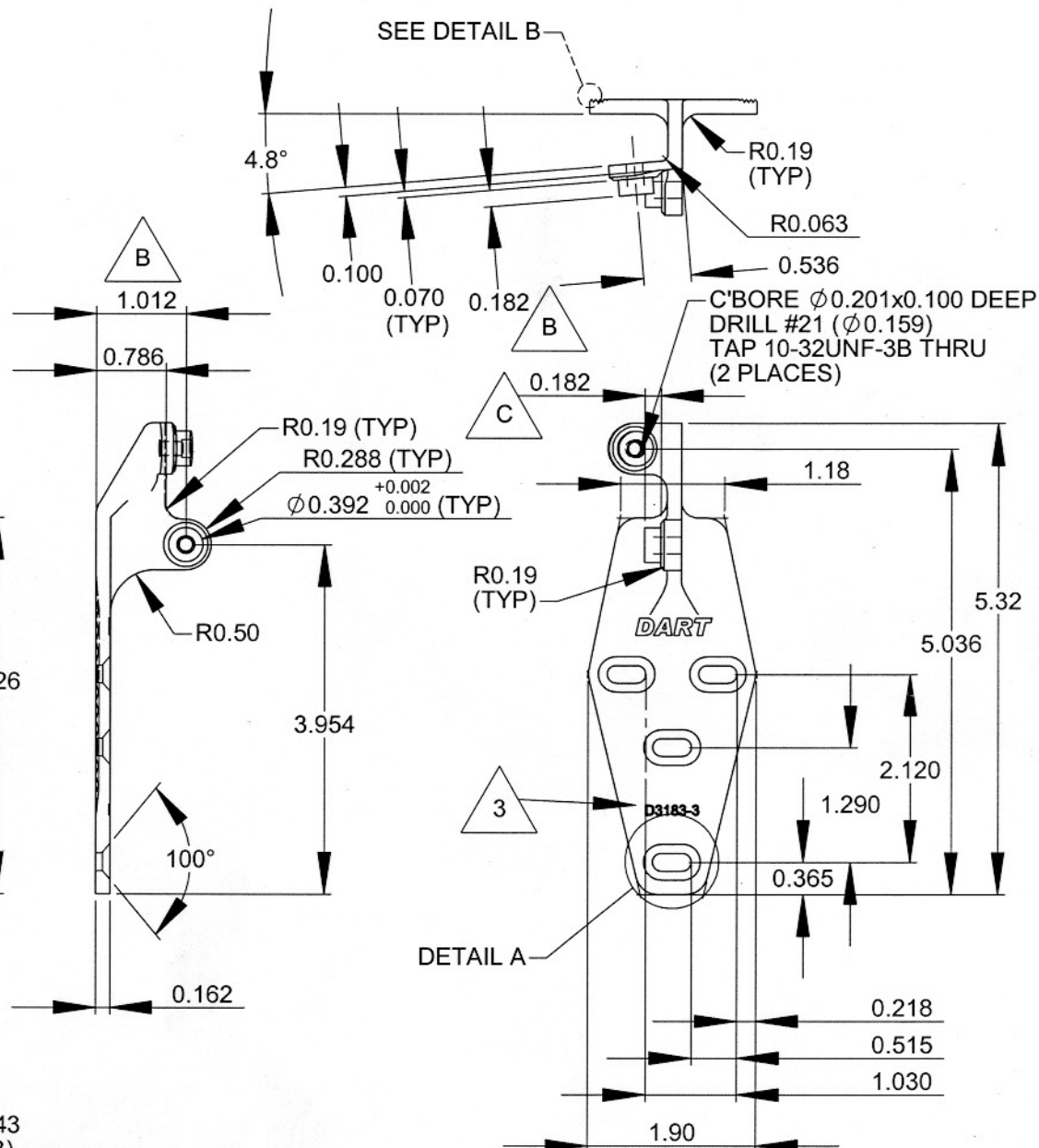
- 1) D3183-1 CAN BE MADE FROM D3183-3  
D3183-2 CAN BE MADE FROM D3183-4
- 2) MATERIAL: 17-4 SS PER AMS 5604/5643  
(REF DART SPEC. M17-4-B)  
MIN ULTIMATE STRENGTH = 150 ksi  
MIN YIELD STRENGTH = 100 ksi
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 4) ENGRAVE DART P/N & LOGO AS SHOWN
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

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**DART**

DESIGN	DRAWN BY	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO. <b>D3183</b>
DATE <b>04.02.17</b>	TITLE <b>BRACKET ASSEMBLY</b>	REV. C SHEET 3 OF 4
	SCALE 1:2	



**D3183-3 BRACKET SHOWN**  
(REPLACES BELL P/N 412-030-304-105)  
**D3183-4 BRACKET OPPOSITE**  
(REPLACES BELL P/N 412-030-304-106)

- 1) MATERIAL: 17-4 SS PER AMS 5604/5643  
(REF DART SPEC. M17-4-B)  
MIN ULTIMATE STRENGTH = 150 ksi  
MIN YIELD STRENGTH = 100 ksi
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 3) ENGRAVE DART P/N & LOGO AS SHOWN
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES

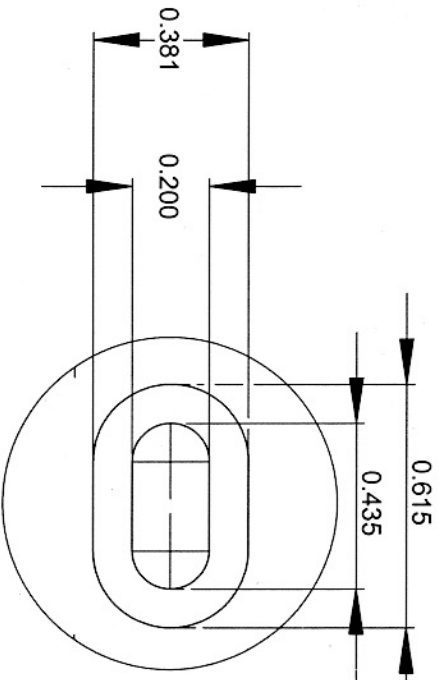
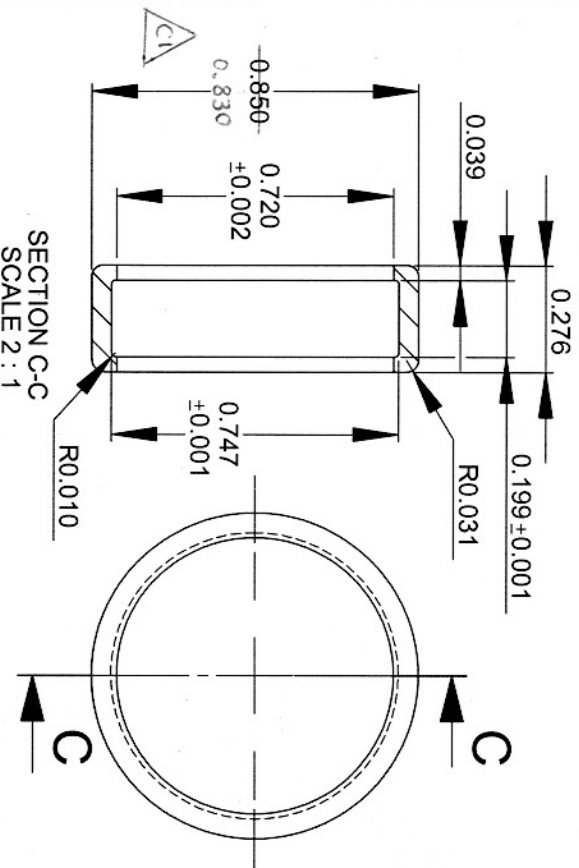
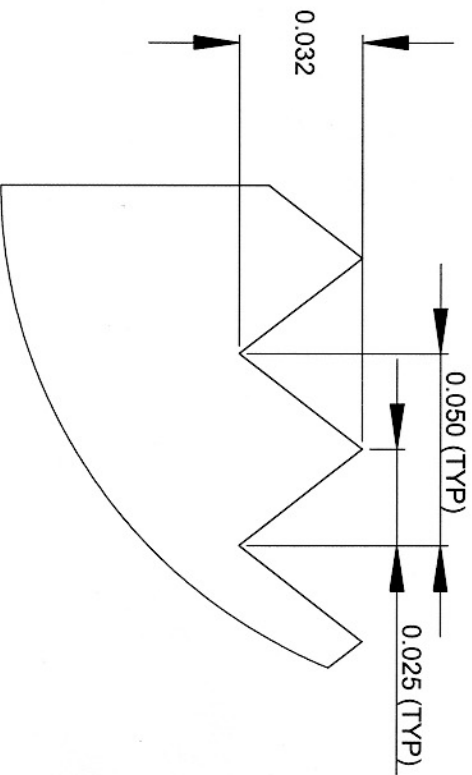
**DEO ATTACHED**  
**RELEASED**  
04-03-01

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**DART**

DESIGN	DRAWN BY	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED	APPROVED	DRAWING NO. <b>D3183</b>
DATE		REV. C SHEET 4 OF 4
04.02.17		SCALE 1:1
	TITLE	<b>BRACKET ASSEMBLY</b>

**DETAIL A (2 : 1)****RELEASED**  
04.03.01**DEO ATTACHED****DETAIL B (20 : 1)**

- D3183-9 CAP**
- 1) MATERIAL: DELRIN ROD, Ø1.00  
(REF DART SPEC. M-DELRIN-R1.00)
  - 2) TOLERANCES ARE PER DART QSI 018  
UNLESS OTHERWISE NOTED
  - 3) ALL DIMENSIONS ARE IN INCHES

**D3183-045 BEARING ASSEMBLY**

- 1) ASSEMBLE D3183-5 BEARING AND  
D3183-9 CAP

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DRAWING NO.	TITLE	REV/C1	DART AEROSPACE LTD ENGINEERING ORDER	D.E.O. NO.	SHEET NO.	SCALE
D3183	BRACKET ASSEMBLY			D3183-C1-1	SHEET 1 OF 1	NTS
DRAWN	<i>q</i>	CHECKED	MFG. APPR.	APPROVED	DE APPR.	
DATE	10.05.14	DATE	10.06.30	DATE	10/06/30	DATE

### D3183-5 BEARING

ADD POSSIBLE SUPPLIER: KML P/N 6800-ZZ

BASIC LOAD RATING REQUIREMENT: Cr = 1720 N (386 lb) MIN [DYNAMIC]  
Cor = 840 N (188 lb) MIN [STATIC]

REF PAR 10-012

**RELEASED**  
2010-07-22  
*AMP*